DXpedition News

Tanzania - 5H Lloyd W6KG and Iris W6QL Colvin launched their annual six-month Yasme DXpedition on August 20, leaving San Francisco for Dar es Salaam, Tanzania. They will operate as **5HØKG** from the QTH of Tom Warren 5H3TW for about a month. Look for them 7-9 kHz up on CW and the usual DX frequencies on SSB, often listening up 1-2 kHz. Iris can often be found in various DX nets, in her quest to work 100 countries from each location. Their tentative itinerary this time includes Mozambique C9 and Madagascar 5R, but they do not yet have operating permission from either country. QSL all of the Colvins' Yasme contacts via the Yasme Foundation, Box 2025, Castro Valley CA 94546.

Malta - 9H DL2GBT will operate as **9H1XX** Sept. 23-Oct. 21, on 10-20 meters, mostly SSB. QSL home call. All contacts will be confirmed via the bureau.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Micronesia - V6 Mine Sugiyama JA2NQG and Yuji Wada JH2BNL will operate from Yap Island (OC-12) Sept. 16-18 as **V63AN** and **V63AR** respectively. CW, SSB, on 80-10 meters, and 1825 kHz CW, 50130 kHz CW and SSB, and 14088 and 21088 kHz on RTTY. QSL home calls: JA2NQG, Box 5, Ninomiya 259-01, Japan, and JH2BNL: Box 73, Sekishi 431-31, Japan.

Seychelles - S7 JG1NBD and JL1DBI will operate as **S79NBD** and **S79DBI** Sept. 12-18. 160-10 meters, SSB, CW, and RTTY. QSL S79NBD to JG1NBD, and S79DBI to JL1ARF. (Japan DX News.)

Anguilla - VP2E John Rouse KA3DBN will operate as **VP2EBN** Oct. 1-8 from Anguilla (NA-22). 25 kHz up on CW, 7075, 14195, 21195, and 28495 kHz on SSB, plus a 'heavy emphasis on RTTY." QSL to home call, with SASE, please. John is QSL manager for VP2EE and VP2EHF, as well.

August 24, 1990 Issue 552

Reserve Your Island - CQWW SSB and CW

- A Finnish team returns to the Canary Islands as **EA8AGD** for multi-single operations in both SSB and CW. QSL both operations via OH6DK.
- Jacky F2CW returns to Morocco as **CN2CW** for both modes this year. QSL home call.
- Don Greenbaum WB2DND was scheduled to operate from **A61AD**'s QTH for CQWW SSB. However, the situation in the Persian Gulf may change those plans.
- **V2/G6QQ** will be on in the SSB test. He'll be there Oct. 14-Nov. 7, usually active 01-0230Z on 15 and 20 meters. QSL home call. (US$1 preferred over two IRCs.)
- K4BAI returns to Barbados as **8H9HT** for the CW test. He'll be there Nov. 22-29. Try 1832, 3525, 7025, 10118, 14025, 18070, 21025, 24898, and 28025 kHz on CW, and 21375 and 28490 kHz on SSB. QSL home call.
- And is what is billed as the largest contest effort ever, the RadioTeam Finland will send 55 operators and 40 support personnel to the Coral Cliff Hotel in Curacao for multi-multi operations on both modes. Calls as **PJ9W** on SSB, and **PJ9A** on CW. More details later.

Shortly Noted

- **5H3TW** Tom Warren completes his Tanzania tour Oct. 13, and return to the states. He'll move out of his usual QTH Sept. 15, but hopes to remain active with a vertical until departure. The Colvins will share his shack to Sept. 15.
- **9Q5XX** Bernie has left Zaire. Next assignment unknown. He has back-up logs, so those destroyed in the fire at KC4NC's can be replaced, but don't QSL at this time, please. **9Q5DX** Dick rotates to the states soon, as well. 9Q5s UN, TE, and EE remain active from Zaire.
- **7Q7CW** last week was Rudi DK7PE. QSL to Rudi's home call.
- **XU8DX** has been on 14180 kHz around 1100Z, and 21275 kHz at 0200Z. QSL this operation to Sin Onizawa JA1NUT, 200-9 Naka, Mohka, Tochigi, Japan. The *Callbook* address is wrong. US$1 or two IRCs, please.
- **R9Z** is operating from Oblast 100 until Aug. 28. Try 3640, 3650, 7090, 14190, 21290, and 28590 kHz on SSB, and 3505, 7005, 14025, 21025, and 28025 kHz on CW. QSL EUDXF. (Thanks DXNS.)
- **Oblast 141: UA9G.** Several UA9F stations will operate **RW9G/** Aug. 25-Sept. 15. QSL UZ9FXR and UA9FD to Box 403, Berezniki 618422, UA9FBH to Box 230, Berezniki 618418, and UZ9FXA, UA9FLZ, and UA9FHT to UA9FLZ Max Hurov, Lenin Avenue 1-29, Berezniki, 618404.
- **SSB Net** check-ins: **14222 kHz:** T32IO ZK1XY; **14227**: 7Q7RM HSØAC V63IJ AH9AC 5Z4DU 3D2EA KHØAC UL7NW T3ØBC; **14256**: FT5XA TA1AR J5CVF J28DN; **21335**: XW8KPL 5Z4DU ZS9A 5Z4FM GD5UG UJ8KA OY9JD.
- **9K2CS Silent Key?** An unconfirmed report from Kuwait says that Prince Yousuf Sauf Al-Sabah 9K2CS, a member of Kuwait's ruling family, was killed in the Iraqi invasion. 9K2CS was the leader of the **7O1AA** Yemen operation. It is very difficult to confirm news stories from Kuwait, but other sources say many members of the Al-Sabah family died in the invasion. Mail service to Kuwait has been suspended.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before			55 Days Before			
August 1990	Date	Flux	A K	Date	Flux	A	K
24 Disturbed	07/28	183	56/76 6	06/30	216	04/07	1
25 Disturbed	07/29	173	50/61 3	07/01	235	06/08	2
26 High Normal	07/30	181	12/12 2	07/02	252	09/11	1
27 High Normal	07/31	176	06/09 1	07/03	240	10/11	2
28 Low Normal	08/01	194	18/22 4	07/04	224	14/12	4
29 High Normal	08/02	199	10/12 1	07/05	219	10/14	3
30 High Normal	08/03	186	09/14 2	07/06	209	07/09	3
31 High Normal	08/04	183	08/10 2	07/07	204	07/09	2
September 1990							
01 Above Normal	08/05	174	06/08 2	07/08	182	10/13	2
02 High Normal	08/06	166	09/09 3	07/09	163	04/07	1
03 High Normal	08/07	166	07/09 2	07/10	157	12/12	3

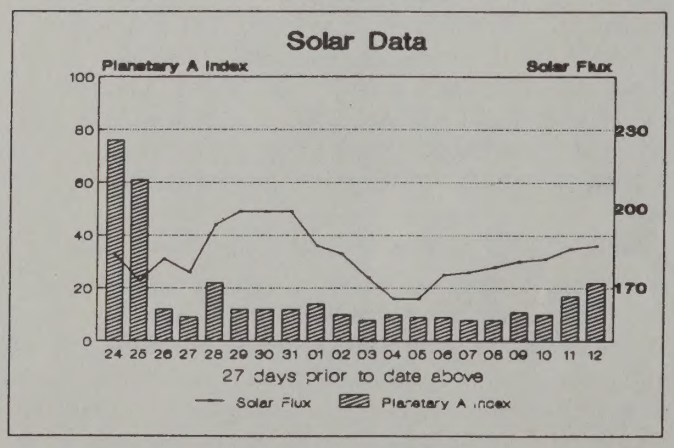
Propagation Watch

Solar activity increased on the 27.5-day pattern, and solar flux rose above 200 again. The 90-day mean solar flux continues to hover in the 180 range. The forecast is for another peak in solar activity around the end of August, followed by a very gradual decline in early September. With seasonal improvements in all bands, we should be in for some good DXing this Fall.

The geomagnetic field has remained quiet stable, with only occasional unsettled conditions. This means good long haul, polar-path, and long-path DX openings. The chances of band-disturbing flares increases the last week of August. Check WWV and WWVH for the latest news.

The shorter days in the northern hemisphere, coupled with the expected relatively high level of solar activity, should provide better openings on 10 and 12 meters over the next few weeks. We are receiving a few scattered reports of high-latitude openings, but the band is probably open more often than reported. Try some CQs in the direction of the sun, even if you don't hear many stations on 10. The latest 10-meter beacon list from K2OLG is available for an SASE from The DX Bulletin.) Also, watch for shortening skip on 15 meters as an indication that 12 or even 10 meters is opening in that direction. The low-latitude and north-south paths continue to be productive DX hunting grounds on 10 and 12 meters, especially midday and early afternoon.

15, 17, and 20 meters continue to provide the bulk of the DX, from the long-path opening to the west and southwest beginning before dawn, to the late evening opening to the northeast, extending after sunset. And don't forget that 15 meters 'bounces back' about an hour after it 'closes' in the evening. Signals are weak, but workable. Good hunting.



Regulars

▪ **Algeria**	7X2DB	21232	2000Z
▪ **Armenia**	UG6JJ	14010±	0300Z
▪ **Armenia**	UG6GAW	14010	0230Z
▪ **Ascension Island**	ZD8CUE	21025±	2000Z
▪ **Ascension Island**	ZD8CUE	20M CW	2100Z
▪ **Ascension Island**	ZD8S	21030	2000Z
▪ **Asiatic RSFSR**	UA9ZL	21028	0030Z
▪ **Chagos**	VQ9TB	14010±	1130Z
▪ **China**	BY1BH	21285	0200Z
▪ **Djibouti**	J28NU	20M CW	03-0500Z
▪ **Dodecanese**	SV5TS	21300	2100Z
▪ **Easter Island**	CEØFFD	21008	0030Z
▪ **French Polynesia**	FOØIGS	28395	2100Z
▪ **Ivory Coast**	TU2UR	21280	0100Z
▪ **Japan**	8J9ØXPO	14200±	1130Z
▪ **Kampuchea**	XU8DX	14180	1100Z
▪ **Kampuchea**	XU8DX	21275	0200Z
▪ **Kazakhstan**	ULØGE	15M CW	1300Z
▪ **Kazakhstan**	RLØMU	14026	0245Z
▪ **Kenya**	5Z4FO	21240	1800Z
▪ **Kerguelen**	FT5XA	14010	12-1400Z
▪ **Kerguelen**	FT5XA	14200	1245Z
▪ **Kirghizia**	UM8TBE	21253	0300Z
▪ **Laos**	XW8KPL	21233	14-1900Z
▪ **Marshall Island**	V73AZ	14018	09-1100Z
▪ **Mauritius**	3B8FK	14020	1130-1230Z
▪ **Mauritius**	3B8CF	18077	0330Z
▪ **Niger**	5U7NU	21250±	1700Z
▪ **North Cook Islands**	ZK1XY	14180±	05, 1100Z
▪ **Reunion Island**	FR5DX	21300±	1700Z
▪ **Reunion Island**	FR5DD	14015±	1200Z
▪ **Rwanda**	9X5HG	21062	1700Z
▪ **Rwanda**	9X5SW	21279	1830Z
▪ **St. Kitts and Nevis**	V44KJ	18080	2100Z
▪ **St. Pierre & Miquelon**	FP5DX	14200	0240, 1230Z
▪ **Sao Tome**	S92LB	21220	2100Z
▪ **Sri Lanka**	4S7VK	20M SSB	1130Z
▪ **Sudan**	WZ6C/ST4	21295	22-0000Z
▪ **Sudan**	WZ6C/ST4	21007	2000Z
▪ **Tadzhikistan**	UJ8JDT	21268	0145Z
▪ **Taiwan**	BV2DA	14027	1240Z
▪ **Tanzania**	5H3TW	14185	1300Z
▪ **Thailand**	HSØAC	21026	0130Z
▪ **Thailand**	HSØAC	14025	10-1200Z
▪ **United Arab Emirates**	A61AD	15M SSB	12-14, 1800Z

Contributors

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B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

DU1BJD	21094	1717	11	PA
EA6MP	14090	2355	7	OH
EA6MQ	14087	0528	8	OR
UV1AT	14087	0250	6	PA
UV9UWW	21088	1300	9	PA
UZ4FWD	14088	0212	8	PA
VQ9RB	21087	1652	6	OR
YS1RJ	14087	0420	5	OH
ZD8BOB	21083	2050	10	PA

160 Meters

VK2MQ	1826	1220	7	WA
VK4YB	1826	1220	7	WA

75 Meters

UG6GAW	3500	0145	8	OH

40 Meters

3B8CF	7002	0317	8	SC
7P8EG	7056	0519	8	OR
FK8FU	7014	1135	14	CA
TR8JLD	7005	0054	3	NS
UG6GAW	7002	0134	7	NH

30 Meters

LY2BR	10104	0343	11	SC
OY7ML	10105	2250	2	NS
V31TU	10102	0030	3	PA
V44KJ	10104	0147	9	VA
YO3AC	10115	0102	9	VA
ZD8Z	10105	0003	4	NS

20 Meter CW

3B8CF	14032	1245	10	CO
3B8FK	14022	1135	10	IL
3B9FR	14026	1301	2	CO
4K4QQ	14015	1242	12	IL
4S7CF	14016	1300	4	MI
4S7CF	14026	2350	9	MI
4S7EA	14009	0046	9	MA
5Z4FN	14013	1354	9	CA
5Z4FO	14020	1253	5	CO
7Q7LA	14005	0511	5	NH
7Q7LA	14016	1218	4	CO
7Q7RM	14016	1218	4	CO
7X2VZK	14066	2245	10	MA
8R1J	14018	1047	9	MA
9V1JY	14010	1042	7	MA
9V1XR	14017	1503	7	CA
9V1YL	14019	1412	8	OR
A22AA *	14039	1517	16	CA
BV2DA	14026	1239	6	CO
BV2TA	14022	0519	8	OR
EA8AB	14005	0215	15	CA
EA8BCJ	14025	0124	9	GA
EA8BVP	14022	0030	11	MA
FKØBO	14002	1318	10	OR
FK8FG	14030	1135	11	IL
FP5DX	14028	0408	10	OR
FR5DD	14014	1140	8	IL
FT5XA	14010	1140	5	NH
HSØAC	14027	1014	6	NH
J28NU	14035	0257	8	SC
OX3FV	14025	2012	9	PA
OY1CT	14025	1040	10	MA
OY1CT	14017	2248	8	NH
OY7ML	14026	0638	6	NH
PZ1DV	14017	0735	5	NH
RLØJA	14039	1153	6	IL
RLØMU	14024	0245	8	MA
RO4ON	14019	0002	9	IL
TA1AW	14026	2251	8	NH
TA2AO	14004	0351	9	MA
TR8BY	14026	0055	3	CO
UD70DWZ	14020	0135	13	GA
UG6GAW	14006	0223	3	GA
UG6JJ	14015	0255	8	SC
UI8AFI	14013	0149	14	MA
ULØMW	14018	0340	2	CO
ULØQF	14047	0145	5	GA
UO5ON	14028	2130	9	MI
V31TU	14017	1055	6	OH
V44KJ	14031	0022	4	GA
V73AZ	14030	0859	13	MI
VQ9SS	14034	1407	6	OR
VQ9TB	14006	1135	7	IL
VU2LX	14029	1236	5	CO
VU2TEC	14014	1335	7	OR
VU2TTC	14009	1438	9	CO
Z21CA	14027	1318	5	CO
Z21FN	14019	1322	11	OR
ZS8CUE	14048	2252	6	VA

20 Meter SSB

3B8FV	14193	1300	5	CO
4S7BS	14189	1125	10	FL
4S7VK *	14193	1126	13	MA
5H3TW	14180	1306	5	CO
8J9ØXPO	14185	1133	10	FL
9J2BO	14154	1418	10	OR
9L1US	14244	0416	5	MA
9M8MKS	14190	1327	11	CA
9M8PV	14203	1205	10	IL
9Q5TE	14186	0603	9	OR
A41KJ	14207	1320	16	CA
BY5RT	14184	1138	11	WV
BZ4RDX	14189	1156	4	VA
D44BS	14226	0112	7	MA
FH8CB	14206	1404	12	CA
FK8FU	14173	1121	4	VA
FP5DX	14200	0238	10	IL
FR5DX	14192	1229	3	CO
FT5XA	14201	1246	13	WV
JY5IN	14256	0215	9	CA
KHØAC	14227	1056	7	NY
OX3EW	14256	0225	10	ME
P29CG	14240	1040	7	MA
P29DN	14267	1229	5	MD
PZ2AC	14214	0244	11	CA
S83H	14200	1328	11	CA
T77C	14209	0023	14	MI
T77T	14195	0508	10	IL
TA1AZ	14228	0317	12	MD
TF1MM	14197	0350	5	OH
TU2UI	14241	0520	9	CA
UG6GAT	14204	0054	13	MA
UG6GAT	14208	1333	9	OR
V290A	14250	0245	4	VT
VKØCH	14162	1118	14	MA
VS6WV	14159	1303	5	CO
XU8DX	14178	1109	11	MI
ZK1TW	14222	0724	3	NY
ZK1XY	14180	0500	8	CA
ZK1XY	14185	1045	10	WV

17 Meter CW

3B8CF	18076	0335	6	SC
4S7WP	18069	1955	8	SC
4Z4DX	18073	0055	12	SC
7X3DA	18080	2155	6	SC
C31LBB	18081	1730	6	NH
FH5EJ	18070	2033	6	SC
GJ3EML	18067	2140	7	SC
RL7CA	18073	1600	10	NH
RO4OA	18075	1945	5	SC
RVØYF	18078	0100	12	PA
UA2FAO	18076	2205	6	SC
UG6GAW	18085	0328	10	SC
V44KJ	18082	2100	9	SC
V63IK	18080	1439	5	MD
VP2EXX	18075	0257	8	SC
VP5VPX	18071	2044	3	NS
VQ9RB	18086	0130	13	PA
VS6BG	18071	1350	7	NH
ZD8LII	18069	1948	4	NS

17 Meter SSB

7X5AB	18140	2110	7	SC
A92BE	18140	2118	7	SC
C31LBB	18155	0017	10	OR
D44BC	18137	1937	6	VA
EA6CE	18125	0123	11	PA
EA8YG	18150	2050	7	SC
EA8ZO	18150	2140	8	SC
V29A	18139	0035	7	VA

15 Meter CW

4K3BB	21020	1400	7	SC
5H3TW	21003	0030	8	MT
5H3TW	21023	1655	11	CA
5Z4RS	21010	1447	8	CO
7X2CR	21024	1959	9	NH
8J9ØXPO	21011	0308	13	IL
9X5HG	21061	1630	11	CA
A41JV	21004	1800	10	OR
ATØT	21030	2015	11	SC
CEØFFD	21006	0020	10	OR
EA6QK	21002	1828	8	MA
EA9TY	21025	2045	4	NH
FK8FS	21005	0318	11	SC
HSØAC	21025	0130	10	CA
JT1CS	21025	0255	6	CO
LY3BAB	21060	1336	9	GA
RLØJA	21032	1354	10	CO
RVØCFF	21022	1721	9	BC
SJ9WL	21035	2157	10	SC
TR8BY	21021	1433	8	CO
UA9ZL	21026	0018	11	MI
UG6GAW	21016	1215	9	IA
UJ8JA	21023	0425	5	OH
ULØGE	21006	1245	2	NS
ULØGM	21021	0236	10	OH
ULØPA	21016	0115	13	GA
ULØPA	21033	1150	10	NH
UM8MQ	21021	0130	13	PA
V44KJ	21030	1505	7	NH
VS6BG	21001	1428	6	NH
VS6UW	21001	1407	9	MD
VU2BK	21046	1255	6	CT
VU2RKS	21011	1950	10	MI
WZ6C/ST4	21004	2010	10	IA
ZD8CUE	21036	2003	7	NH
ZD8CUI	21035	2350	6	SC
ZD8S	21027	1943	7	NH
ZP6XDW	21027	0039	4	GA

15 Meter SSB

3A2HB	21234	2201	10	MD
3X1SG	21295	1750	7	NH
5U7NU	21245	1658	11	MD
5Z4FO	21237	1811	12	IL
6W1QB	21270	1856	12	MA
7X2DB	21231	1946	2	MD
8J1RL	21256	1300	12	NY
9M8PV	21220	1506	11	NY
9M8STA	21300	1604	8	MD
9Q5TE	21296	1552	8	MD
9Q5XX	21257	0242	5	CO
9X5SW	21279	1821	12	MA
A61AD	21315	1206	8	VA
A61AD	21240	1806	10	OR
BV2FB	21243	1624	11	MD
BY1BH	21285	0211	13	WV
BY4RSA	21263	0213	12	MD
BY5RA	21235	0122	13	WV
C3ØEMA	21208	1531	8	MD
D68KB	21331	1431	3	MD
EA6ZZ	21307	0257	5	CO
ES2RR	21312	1812	12	MA
ES2WX	21283	1520	10	ME
FR5DX	21313	0506	9	NY
FR5DX	21286	1730	12	MA
HKØEFU	21270	0635	9	MA
HKØOEP	21273	0111	13	PA
J28DN	21308	0121	8	WI
J5CVF	21229	1848	12	MA
KHØ/N6BUV	21306	2130	11	FL
OD5MM	21341	1905	6	NH
RLØJA	21230	1350	11	IL
S92LB	21221	2104	10	NH
SV5QR	21280	1734	12	MA
SV5TS	21307	2057	9	WI
T77C	21285	2052	10	IL
T77V	21293	2217	6	NH
TL8WD	21256	2030	31	NS
TU2UR	21280	0101	7	MA
TZ6VV	21289	1919	5	MA
UJ8JDT	21269	0141	8	WI
UJ8JDT	21243	1413	7	ME
UJ8KA	21269	0210	8	OH
UL7PP	21238	0253	10	IL
UM8QDX	21280	0314	12	OR
UM8TBE	21253	0254	10	CA
VU2WAP	21280	0210	8	OH
VU2WAP	21290	1752	10	IL
WZ6C/ST4	21295	2153	8	WI
XU8DX	21285	2335	7	OR
XW8KPL	21197	1355	9	IA
YJ8FB	21272	0508	8	OR
ZD8Z	21256	1925	16	CA

12 Meters

A92BE	24930	1350	1	NS
EA8BTU	24893	1710	11	SC
FT4XG	24895	1243	4	NS
GD4BEG	24905	2025	5	SC
OA4ZV	24890	1950	5	SC
V31TU	24893	1858	5	NH
ZD8LII	24903	1715	5	NH

10 Meter CW

ZD8CUE	28023	2020	9	NH
ZD8Z	28017	1202	11	PA

10 Meter SSB

3B8CA	28507	1140	11	NJ
3D2EA	28520	2153	4	CA
5Z4BI	28493	2050	6	NJ
7Q7JA	28492	1846	7	MD
9J2AL	28440	1635	12	NJ
CN8LO	28497	1310	11	NJ
FO4NR	28512	0200	12	CA
FOØIGS	28395	2055	5	FL
FR5DX	28501	1445	9	NY
P43HM	28368	2211	4	GA
PJ2WG	28472	2134	4	GA
PZ2AC	28437	1720	15	CA
TR8JLD	28480	1530	11	NJ
TZ6VV	28487	1345	11	NJ
V51BG	28460	1501	9	MD
V51SW	28535	1255	5	MD
VK6BA	28465	0045	9	FL
ZC4DG	28505	1348	12	NH
ZD8CUE	28518	1440	12	NJ
ZD8PJ	28465	1730	12	NJ
ZS9A	28610	1430	12	NJ
	Walvis Bay			

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Calendar

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(Changes and hot info in **boldface**.)

Albania - ZA	**by HA5WE etc. soon?**	**I550**
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Armenia - UG	UG6JJ 14010± 0300Z	I552
	UG6GAW 14010 0230Z	I552
Ascension - ZD8	ZD8LII 21015 20-2100Z	I551
	ZD8CUE 21025/20Z 20M CW/21Z	
	ZD8S 21030 2000Z	I552
Asiatic RSFSR - UA	UA9ZL Oblast 100 21028 0030Z	I552
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Belau - KC6	KC6CW, DX, MZ Sept. 13-16	I551
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Gabon - TR	TR8BY 14025/01Z 21025±/18Z	I551
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	VU2NR, DZ 14180± 1030Z	I551
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	RLØMU 14026 0245Z	I552
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Kerguelen - FT/X	FT5XA 14010/12Z 14200/1245Z	I552
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	14020 11-1300Z	I550
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	3B8FK 14020 1130-1230Z	I552
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Norfolk Island - VK9	**VK9NX Aug. 22-28**	**I547**
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	4S7VK 20M SSB 1130Z	**I552**
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	BV2DA 14027 1240Z	I552
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Aug. 25-26	All Asian CW Contest	QST
Sept. 8-9	Worked All Europe SSB	QST
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Sept. 29-30	CQWW RTTY Contest	CQ
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